Balakumaran S

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SUMMARY

Full-stack developer with experience in Java, Spring Boot, Angular, Python, and the MERN stack. Skilled in building applications, managing databases, and implementing secure authentication systems. Actively learning bug bounty hunting, practicing DSA, and solving coding challenges on LeetCode and GeeksforGeeks, with top ranks at the college level. Focused on learning through projects and steadily improving technical abilities.

SKILLS

Languages : Java, JavaScript, TypeScript, Python, HTML, CSS.

Frameworks & Libraries : Spring Boot, Angular, React.js, Node.js, Express.js.

Databases : MySQL, MongoDB.

Tools & Platforms : Docker, Postman, Git, GitHub, Burp Suite.

EDUCATION

Paavai College of Engineering, Namakkal.	**Nov 2022 - Present**
Bachelor of Engineering in Computer Science	**CGPA :** 7.7/10
Veludayar Higher Secondary School, Thiruvarur.	**June 2020 - May 2022**
HSC - Computer Science and Maths	**Score :** 80.8%

PROJECTS

NoBugs - Bug Bounty Platform | Link   **May. 2025 – Jul. 2025**

Tech Stack : Java, Spring Boot, Angular, TypeScript, MySQL, Docker, JWT, RESTful APIs.

- Built a full-stack web platform where organizations can receive and manage security vulnerability reports.
- Implemented role-based access control that reduced unauthorized access attempts by separating admin, organization, and researcher permissions.
- Designed REST APIs for bug report management, improving data retrieval speed and reducing errors
- Added JWT validation with DTO-based request handling, ensuring only authorized users could access protected endpoints.

Campout - Camping Reservation Platform | Link   **Nov. 2024 – Jan. 2025**

Tech Stack : Node.js, Express.js, Firebase, EJS, JavaScript, CSS, Stripe, Passport.js, RESTful APIs.

- Built a full-stack web application for booking and managing campsite reservations, with real-time availability and secure online payments.
- Implemented role-based authentication and designed efficient RESTful APIs for streamlined reservation, user and campsite data management.
- Optimized dynamic availability updates, successfully reducing overbooking incidents by 90% and ensuring a consistent UI across devices.

ACHIEVEMENTS

- Ranked 1 with 400+ score (Jan–Aug 2025) on the GeeksforGeeks institutional leaderboard.
- Co-coordinated a college cultural event and won 2nd prize for Waste Art installation.
- Achieved 100 Days Challenge badges in both 2024 and 2025 through consistent problem-solving on LeetCode.
- Contributed 3+ fixes and documentation updates to open-source projects on GitHub.

PROFILES & PORTFOLIO

GitHub : github.com/Bala-kumaran-S

Portfolio : bala-kumaran-s.github.io/My-Portfolio

LeetCode : leetcode.com/u/Balakumaran_S

GeeksForGeeks : geeksforgeeks.org/user/balakuma7uk9